

Fig. 1

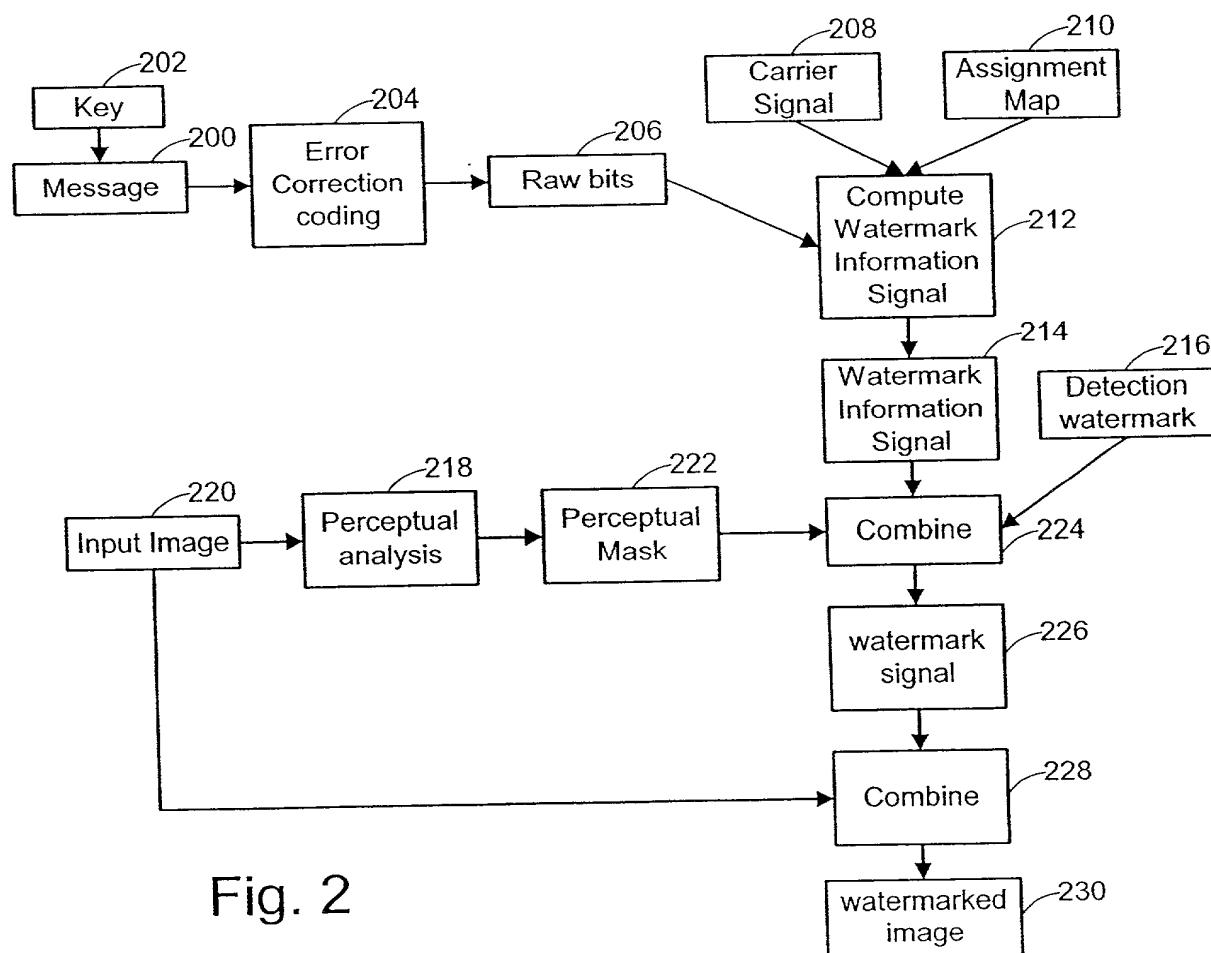
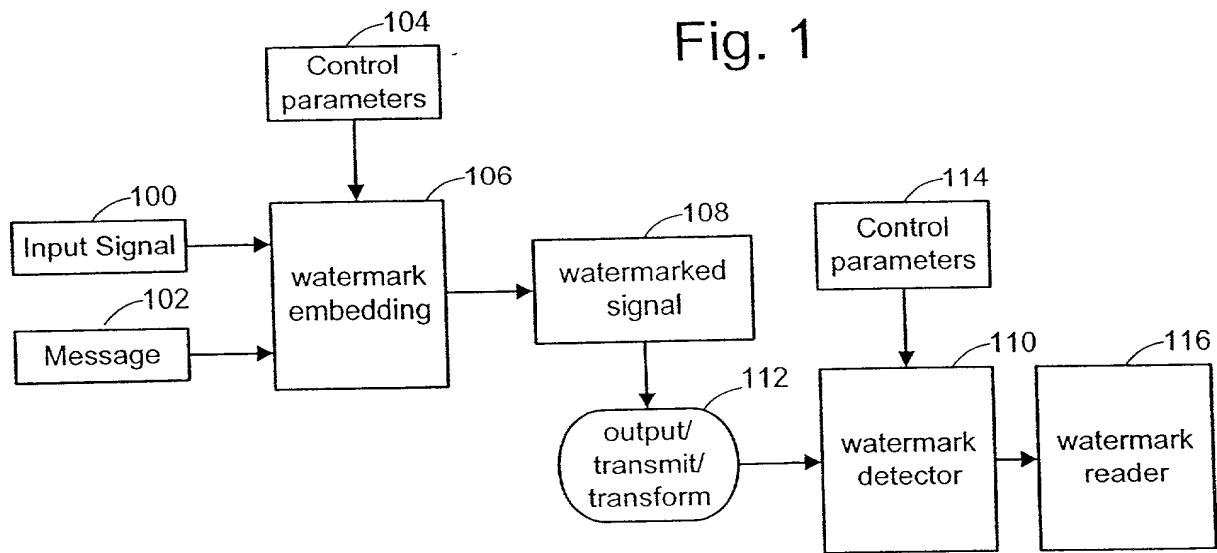
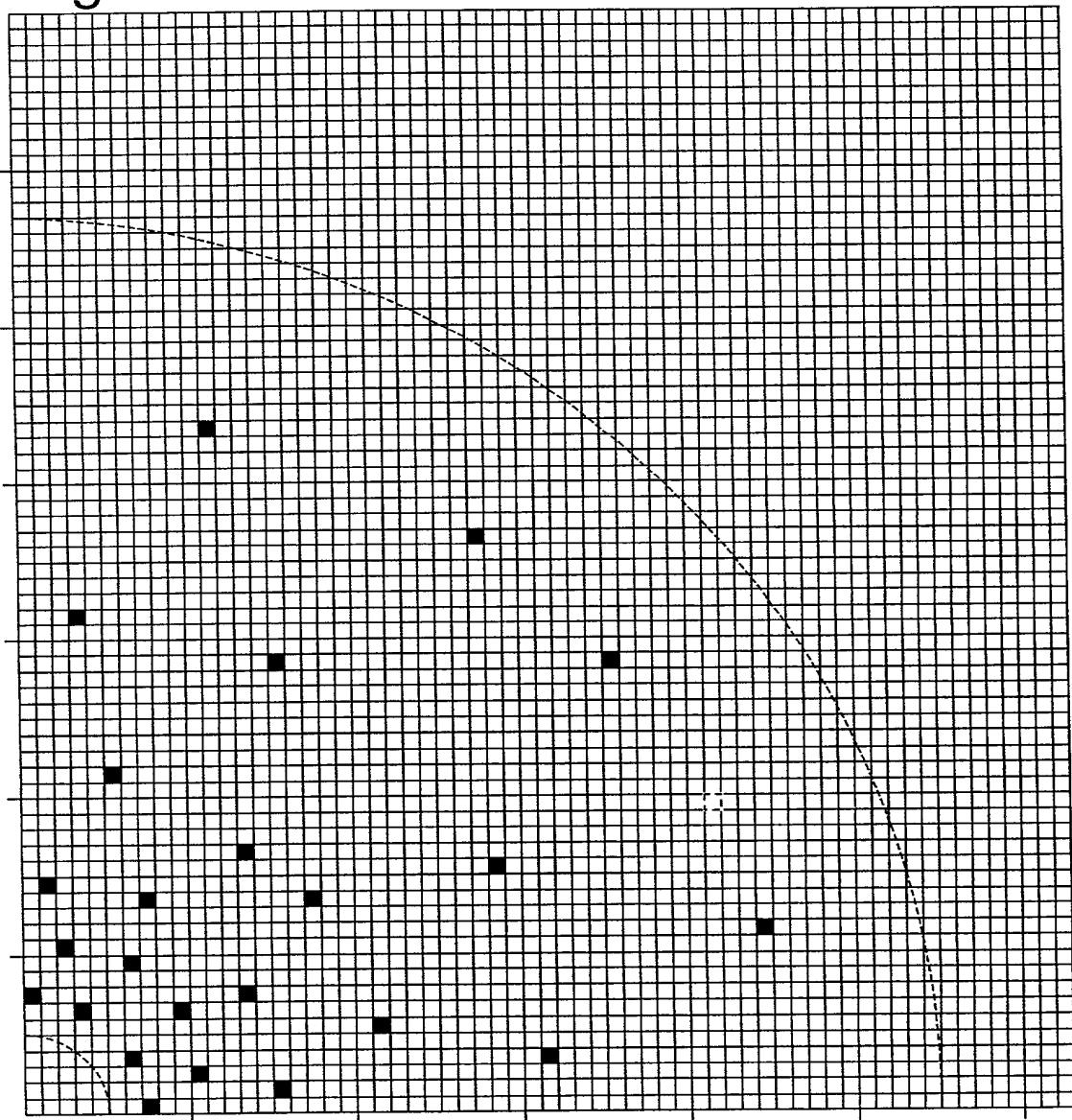


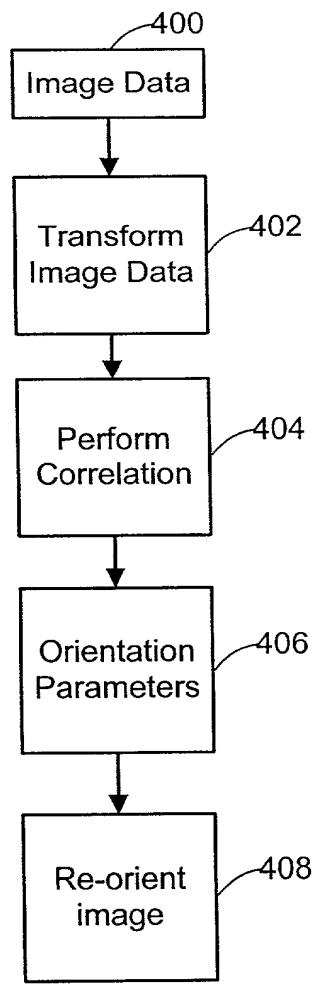
Fig. 2

One Quadrant Spatial  
Transform Domain

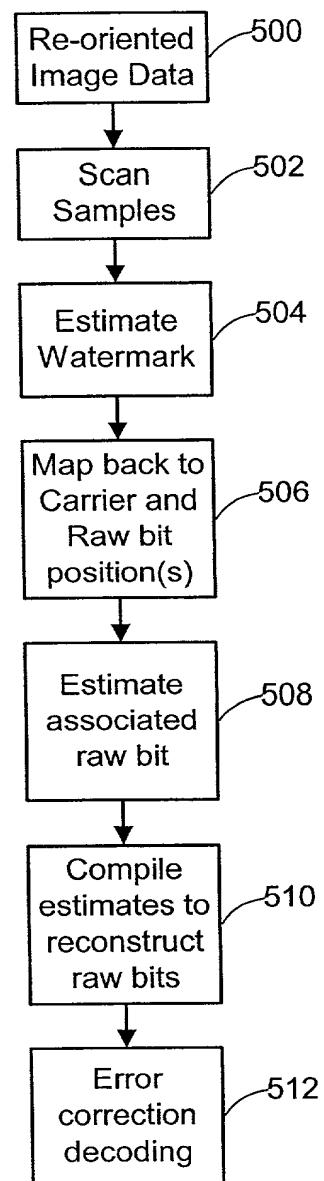
Fig. 3

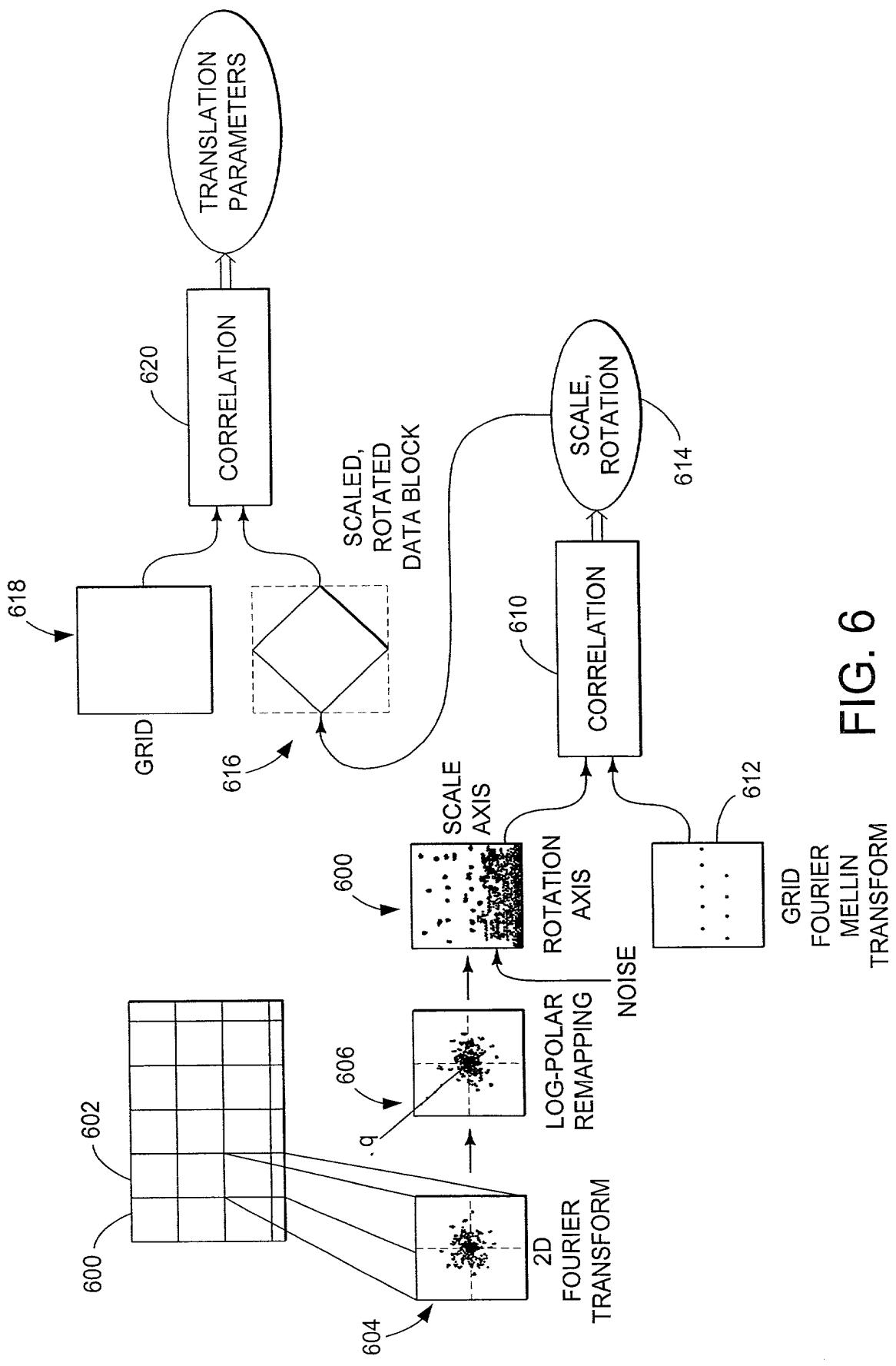


**Fig. 4**



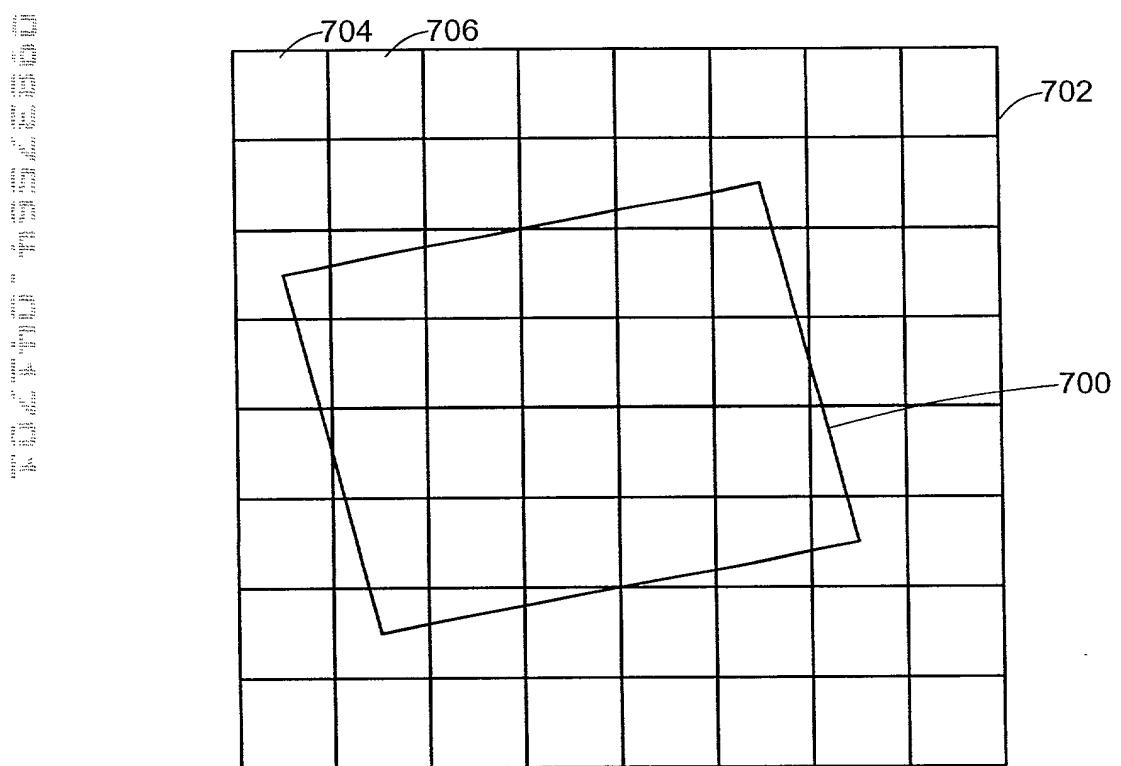
**Fig. 5**





**FIG. 6**

Fig. 7



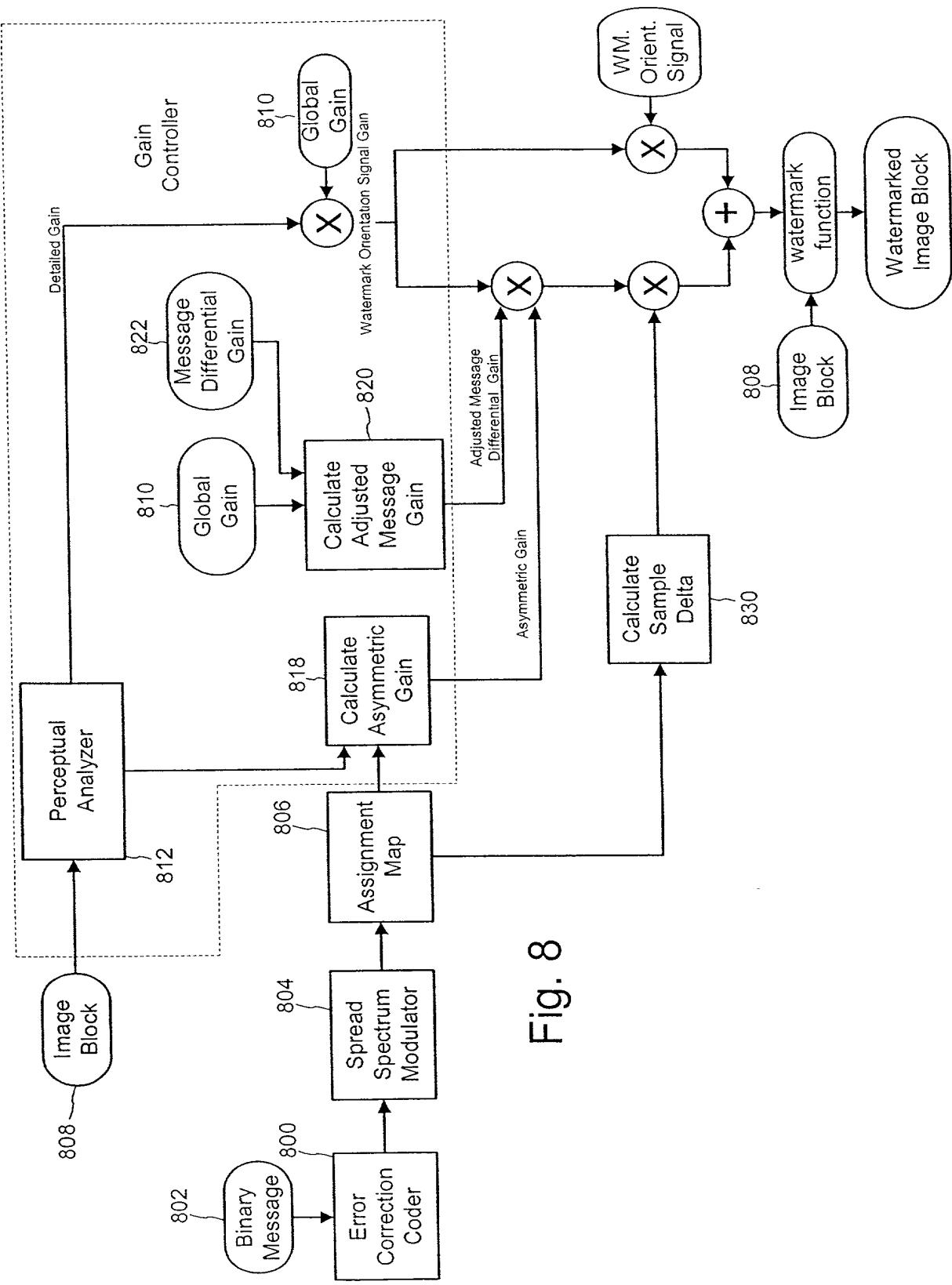
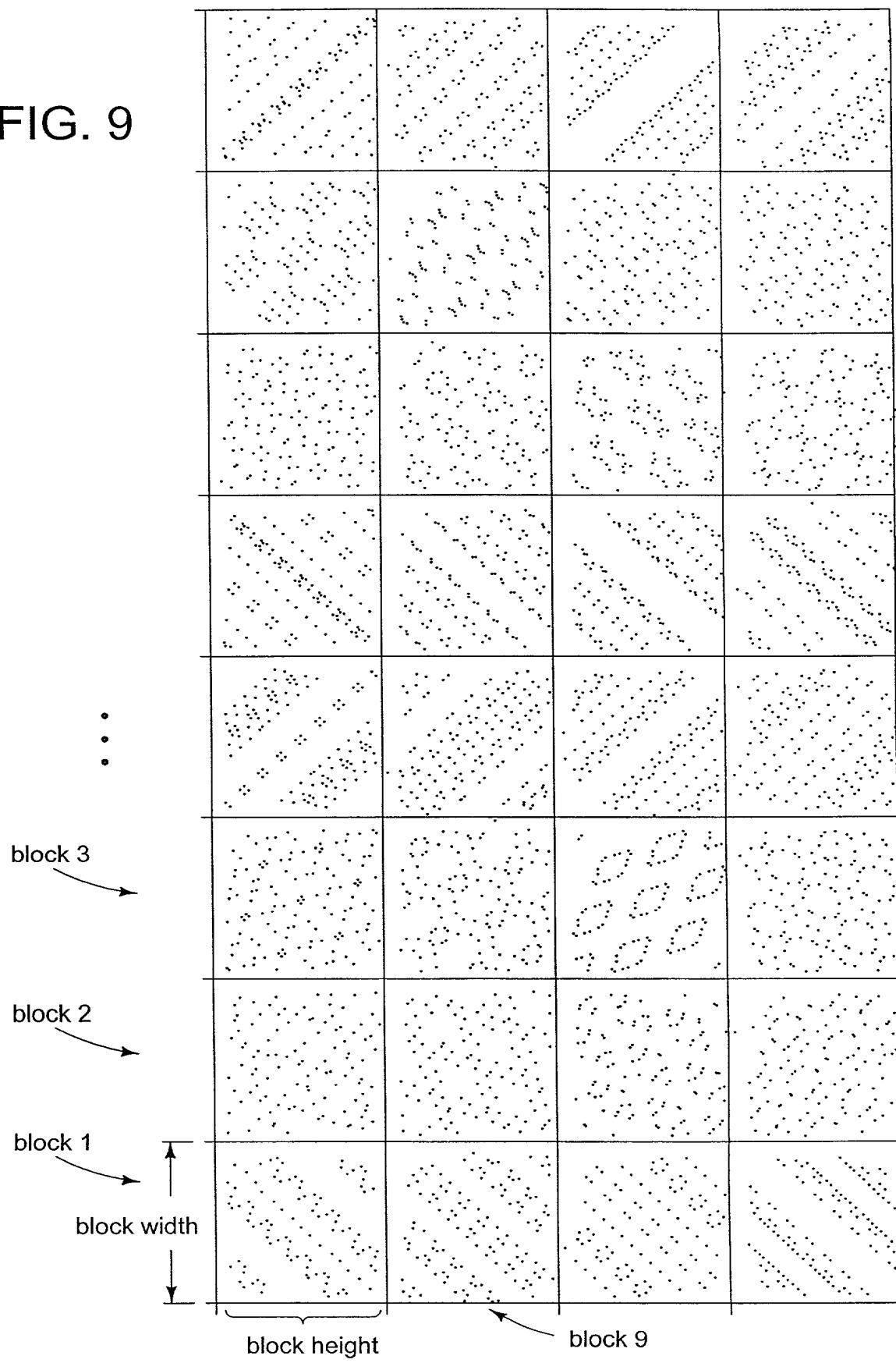


Fig. 8

**FIG. 9**



MAGNITUDE OF WATERMARK ORIENTATION SIGNAL  
IN FREQUENCY DOMAIN

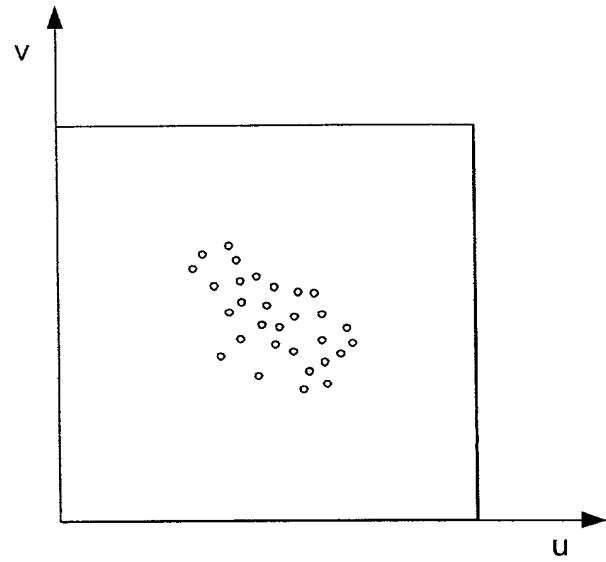


FIG. 10

REAL VALUE OF WATERMARK ORIENTATION SIGNAL  
IN SPATIAL DOMAIN

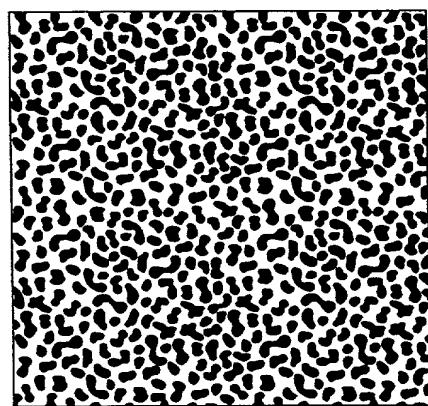


FIG. 11

Fig. 12

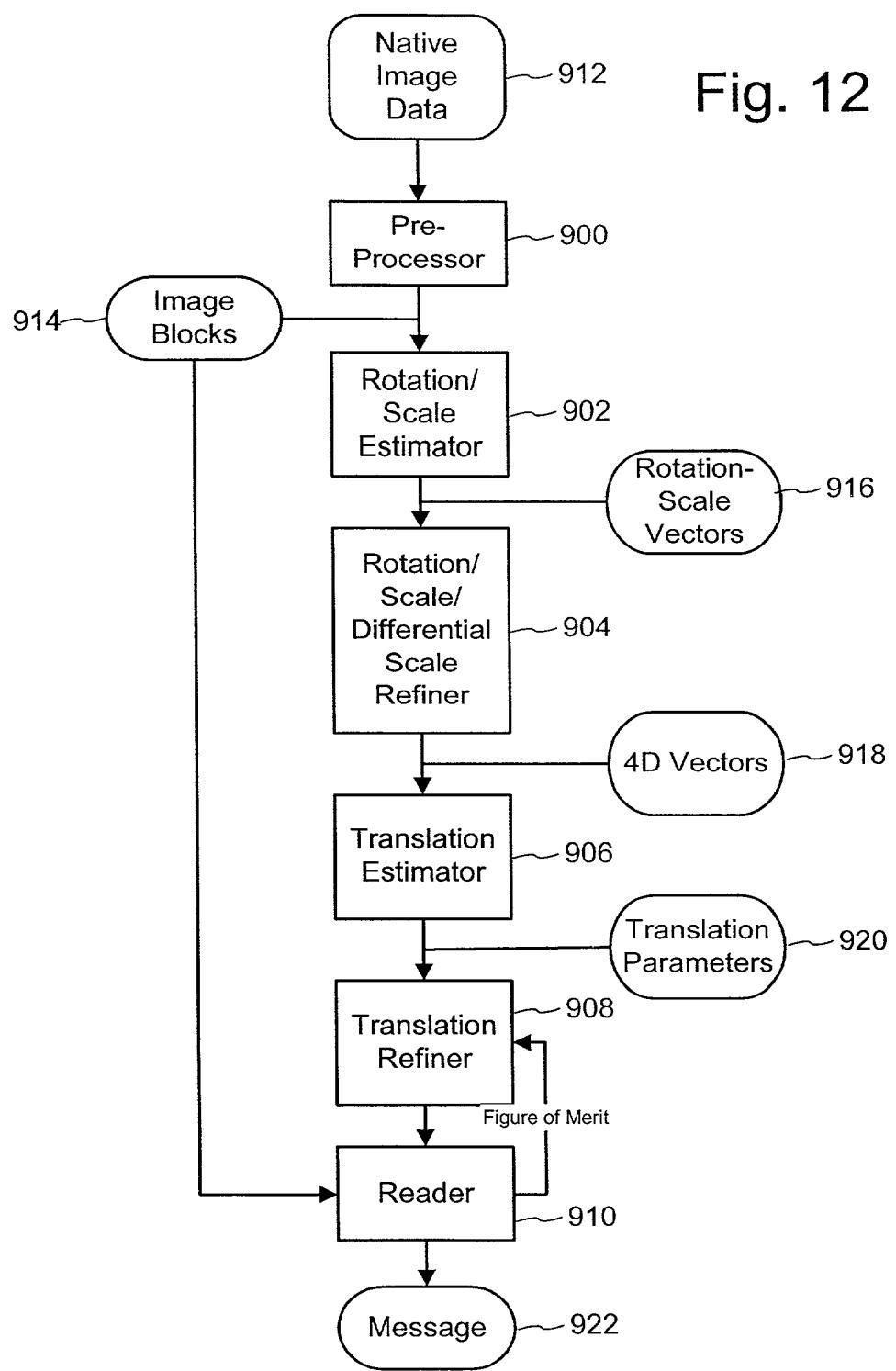


Fig. 13

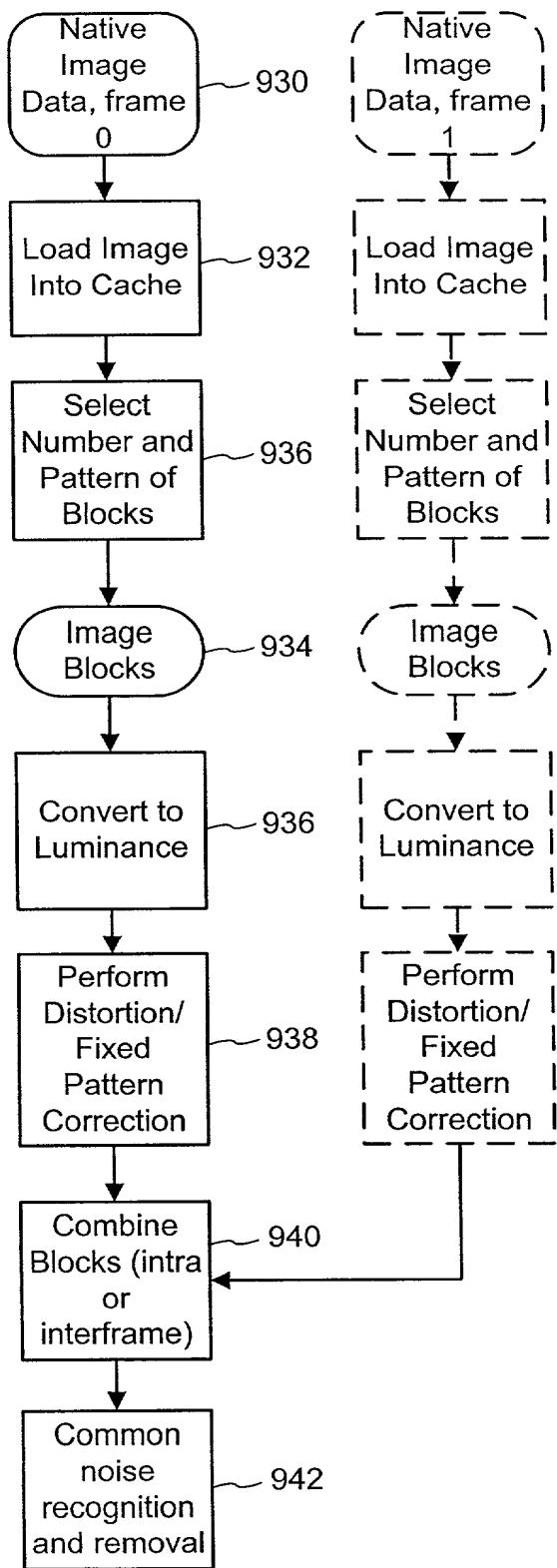
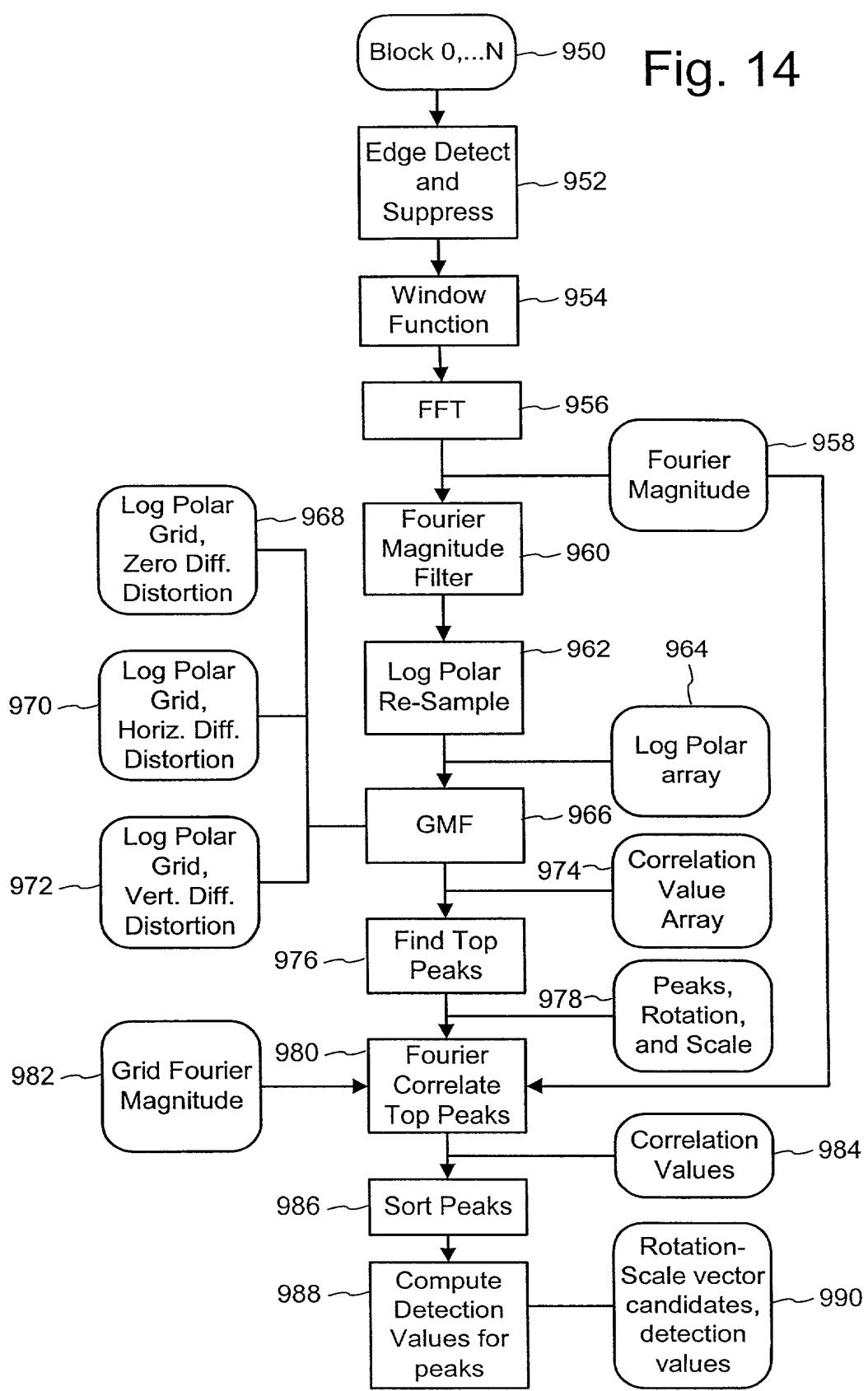


Fig. 14



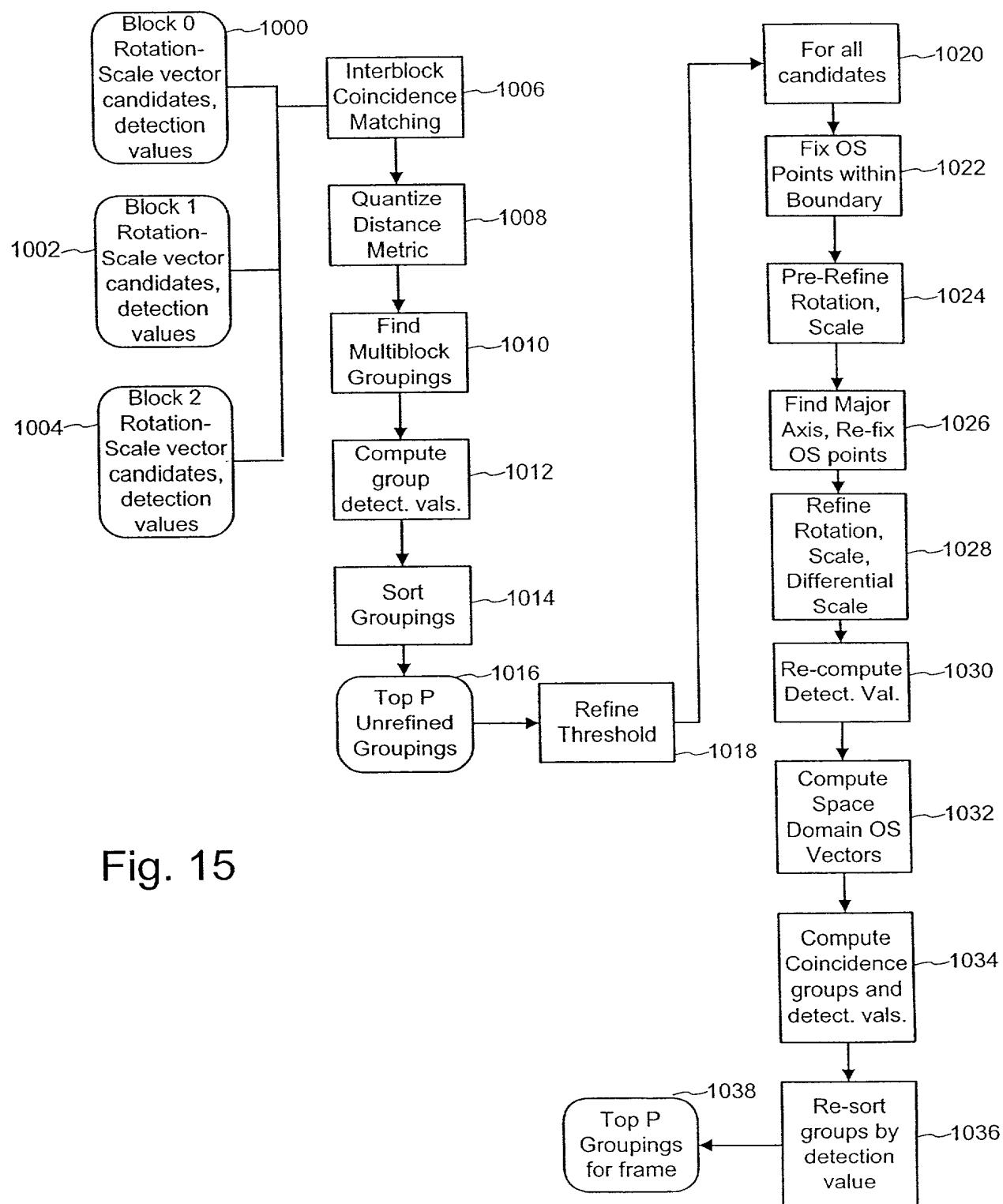


Fig. 15

Fig. 16

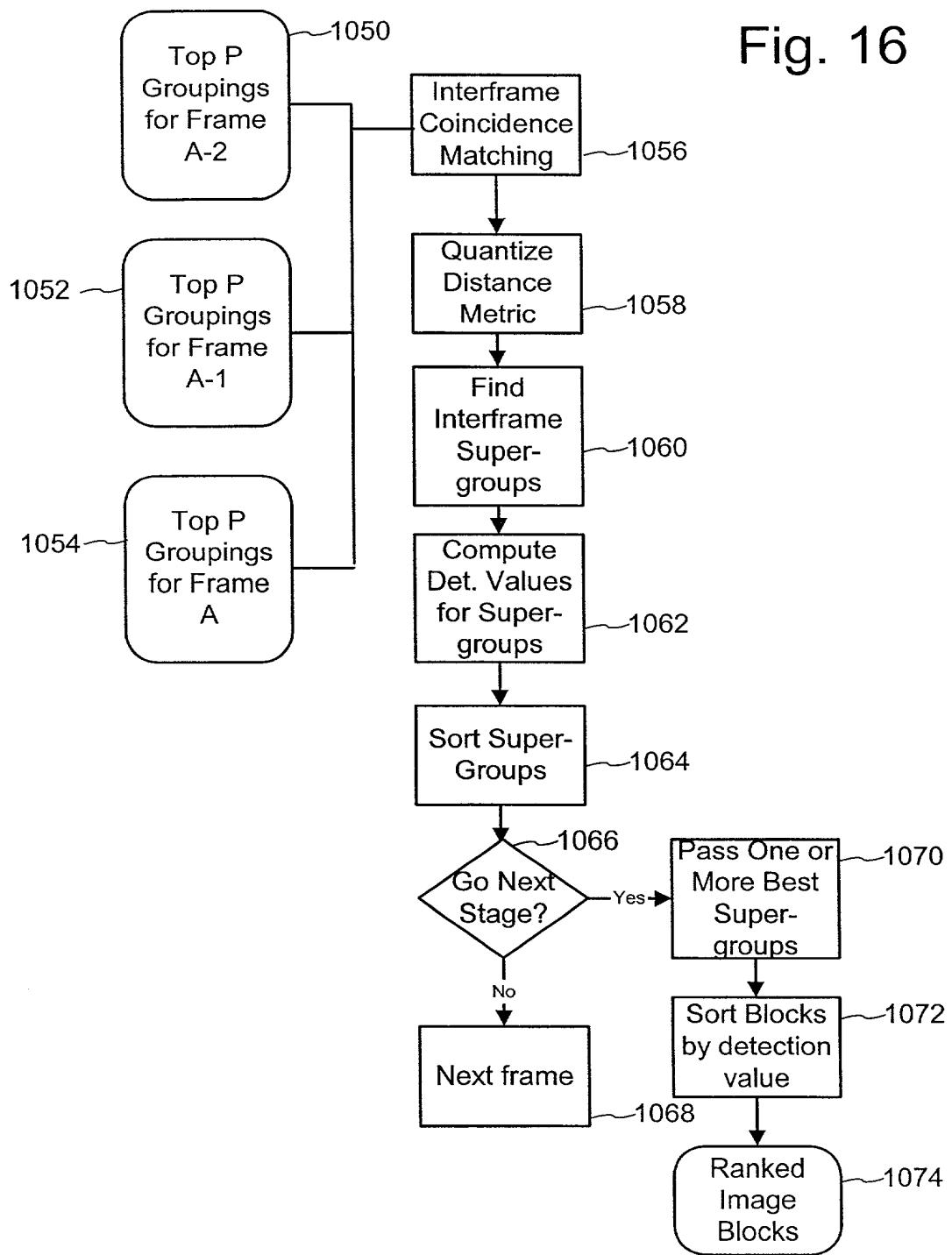


Fig. 17

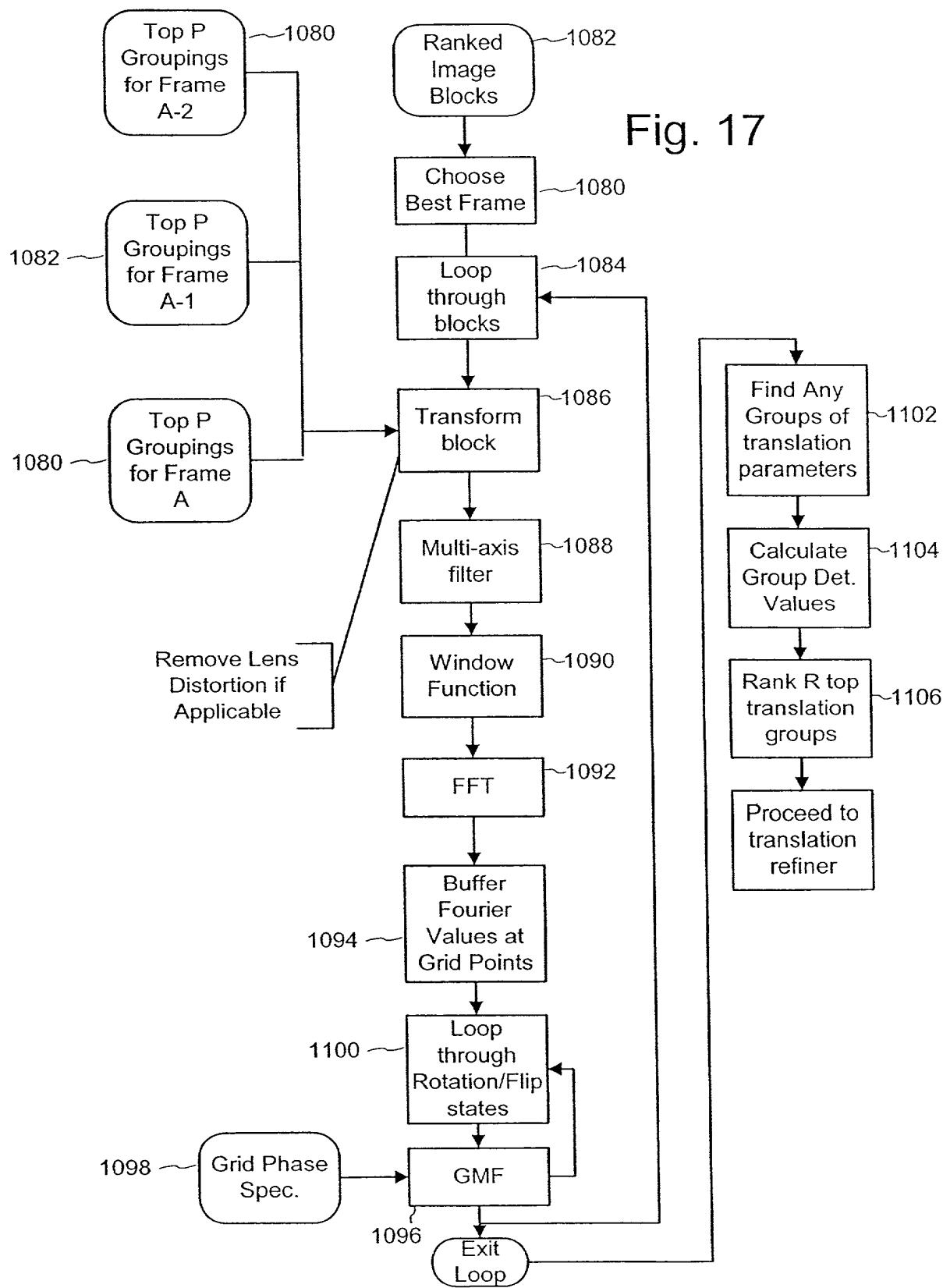


Fig. 18

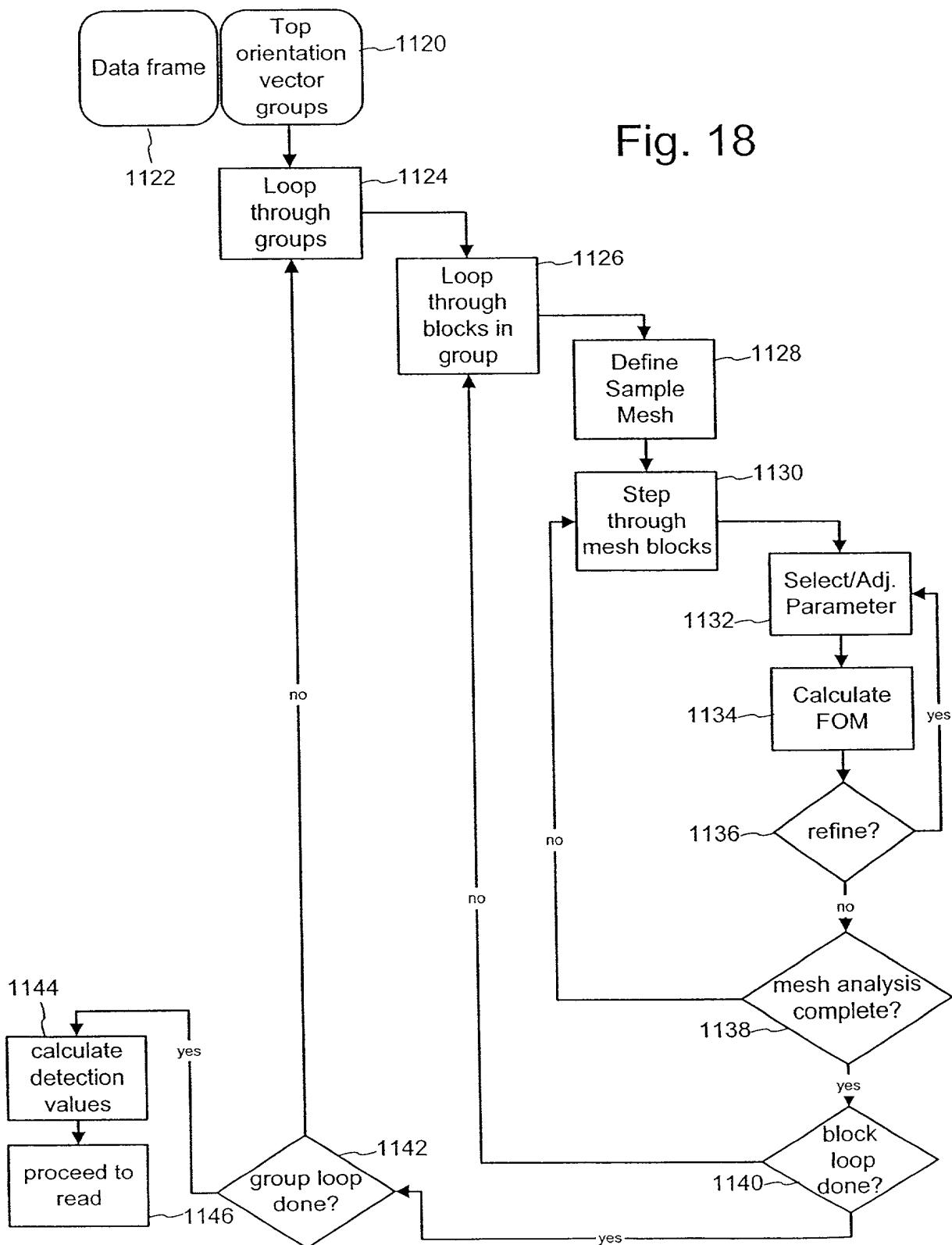


Fig. 19

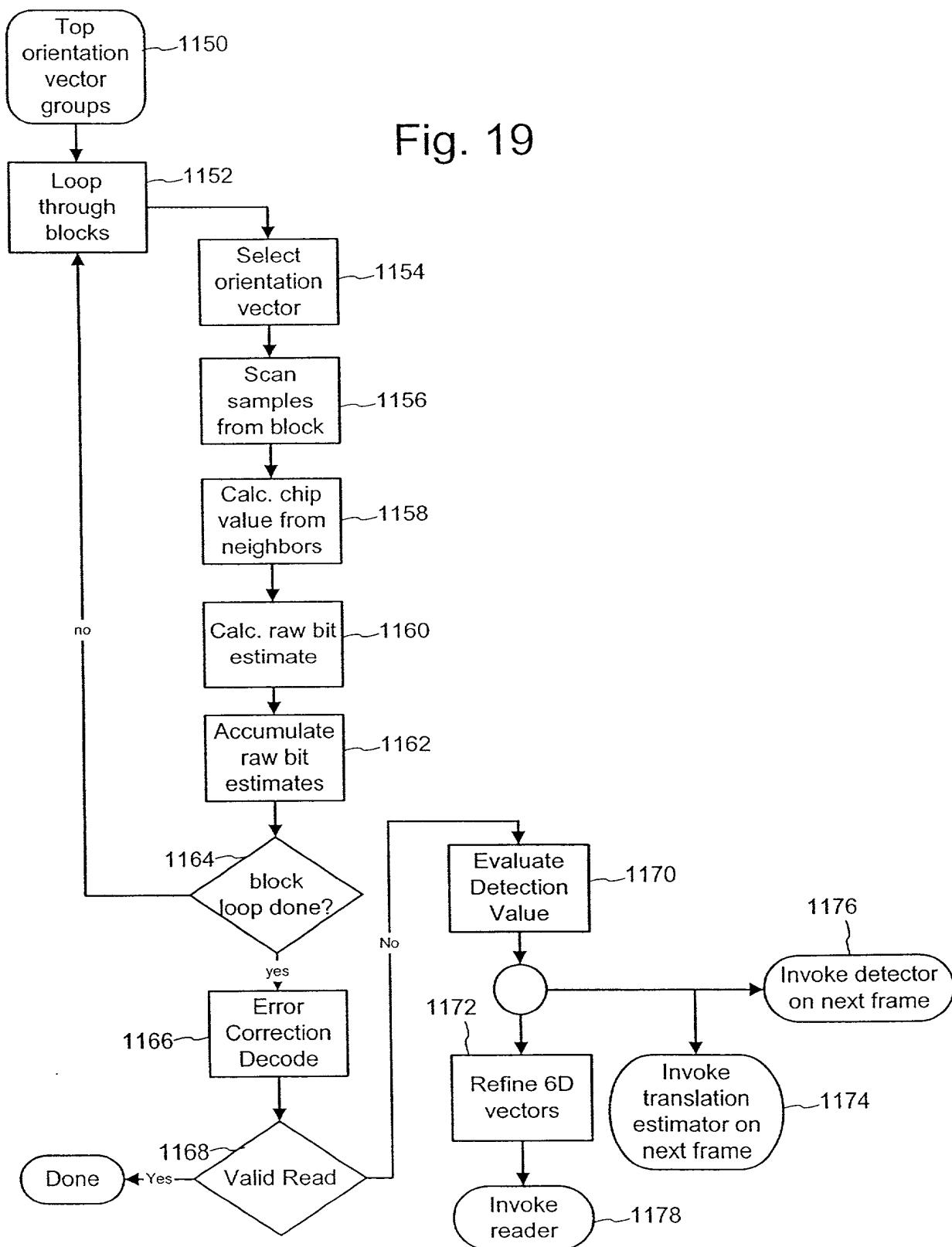
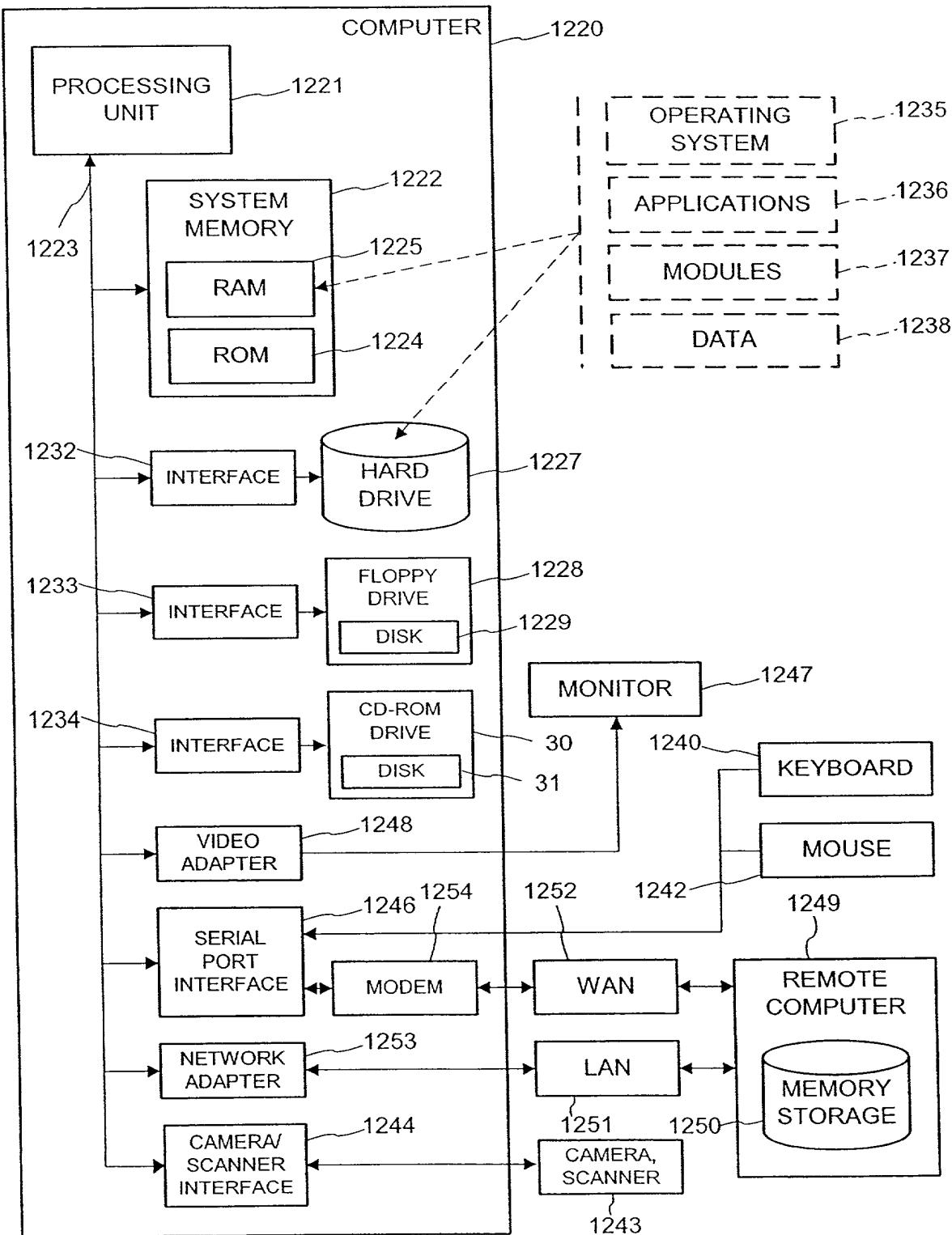


FIG. 20



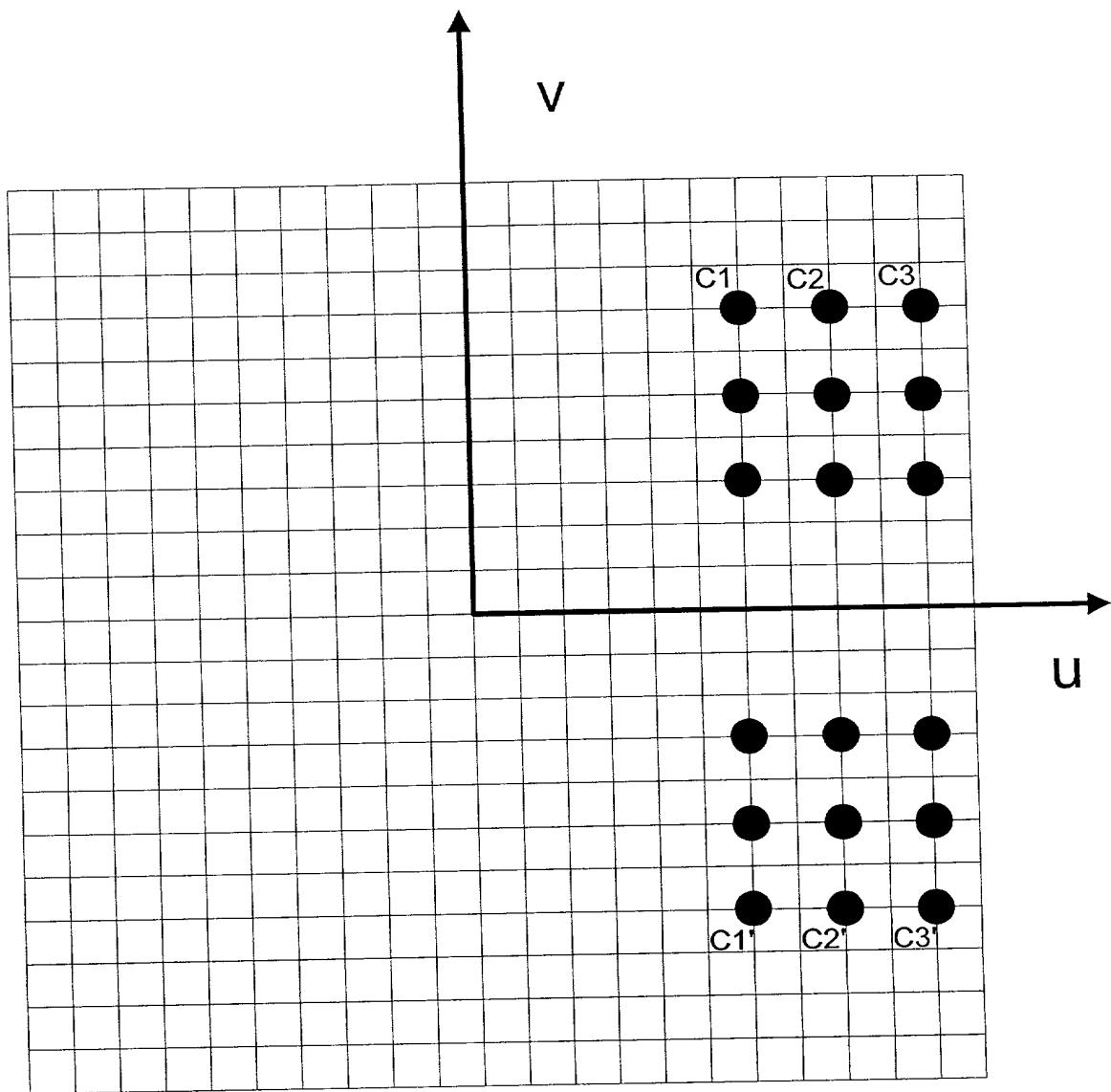


Fig. 21